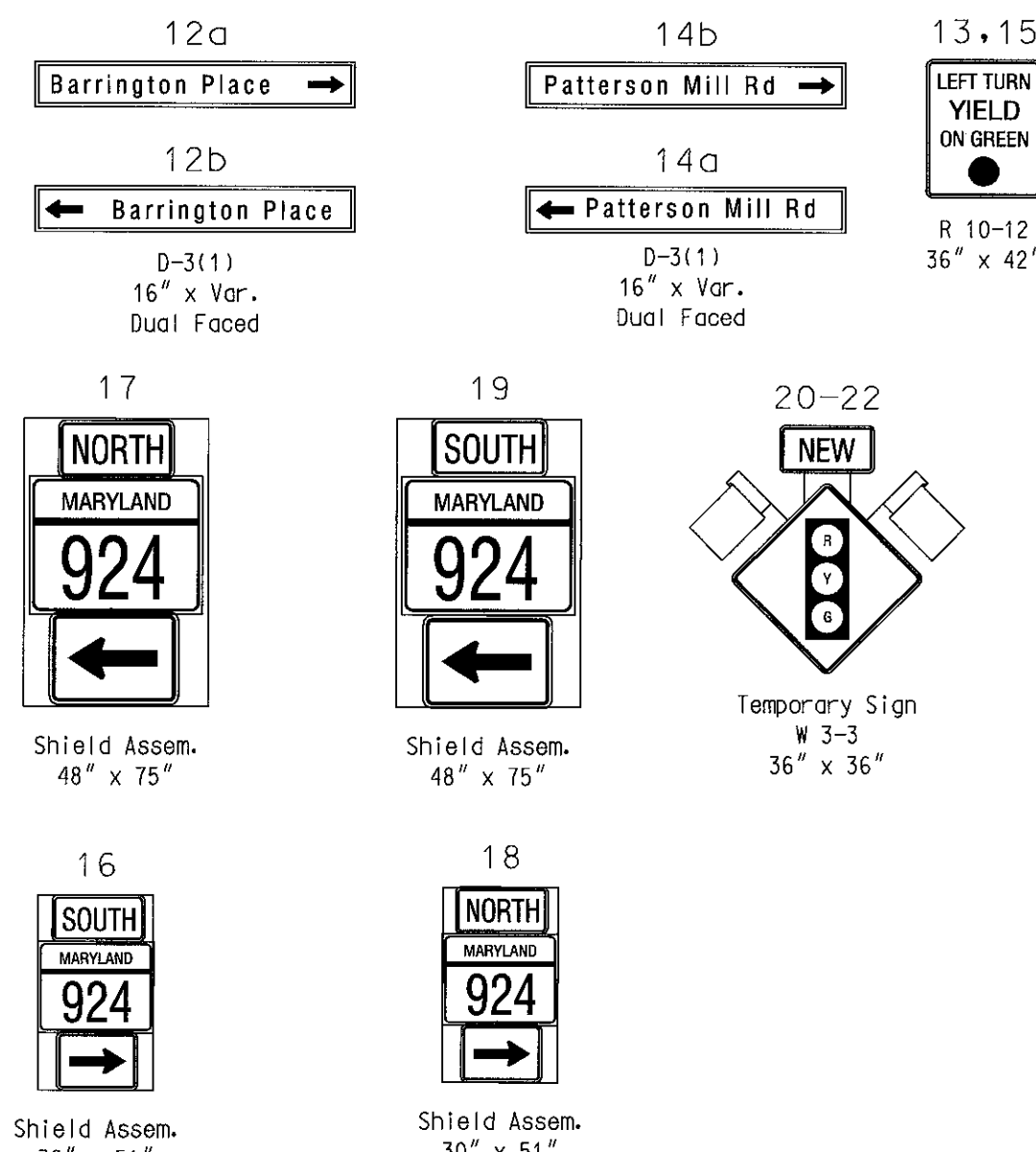


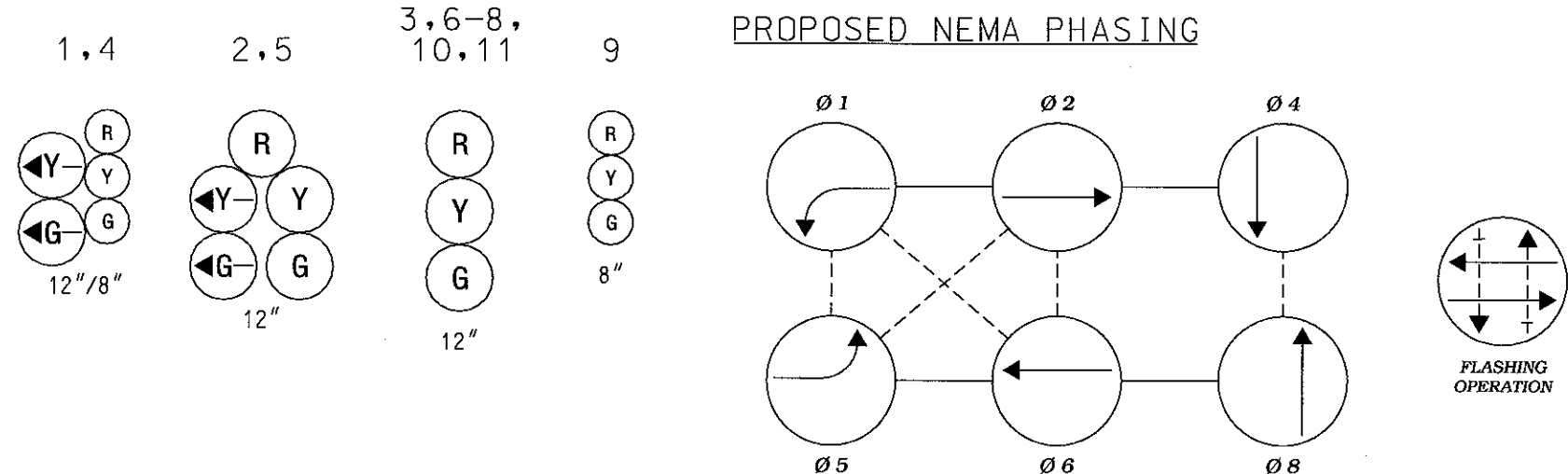
# CONSTRUCTION DETAILS

- Install base mounted NEMA 6 cabinet/controller and all necessary equipment.
- Install 27 ft. steel twin mast arm pole with a 70 ft. and a 40 ft. (cut from a 50 ft.) mast arm, vehicle signal heads, signs, video detection camera, 15 ft. luminaire arm, 250 watt HPS luminaire, 1 in. riser for phone drop, and all necessary equipment for an overhead electrical MD-SHA Type B-4 service.
- (Note: one 3 in. and one 2 in. PVC conduit bend)  
Install 27 ft. steel twin mast arm pole with a 60 ft. and a 50 ft. mast arm, vehicle signal heads, signs, video detection camera, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
- Install handhole.
- Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- Install 24 in. pavement marking - white for stop line.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
- Install micro-loop probe (set of 3).
- Install ground mounted sign as shown.
- Remove existing sign after placing signal in flashing operation.
- Existing utility pole and all attached equipment to be removed by BGE.
- Proposed overhead electrical service by BGE.
- Proposed overhead phone service by Verizon.
- Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

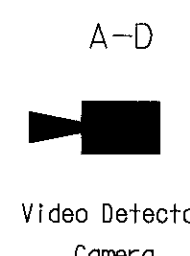
# PROPOSED SIGNS



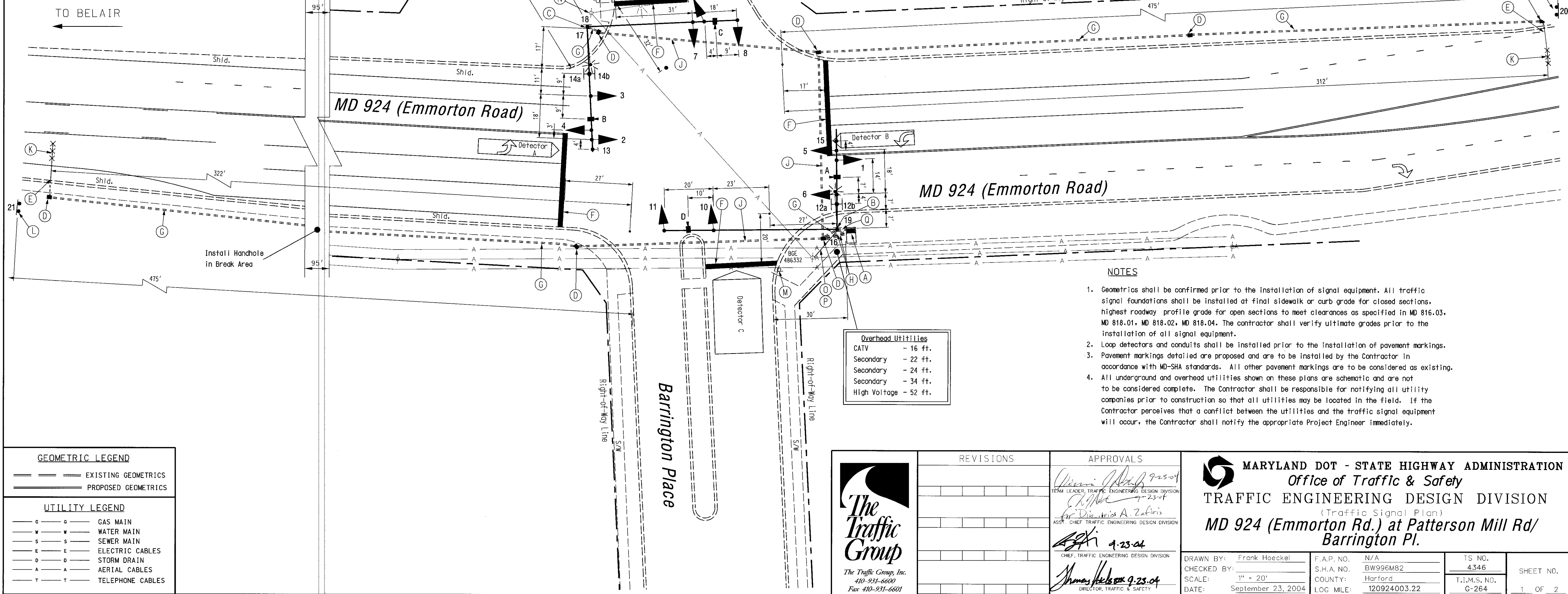
# PROPOSED SIGNALS



NEMA notes:  
Phases associated by a dashed line will operate concurrently.  
Phases associated by a solid line will not operate concurrently.



TO BELAIR



# NOTES

- Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- Loop detectors and conduits shall be installed prior to the installation of pavement markings.
- Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings are to be considered as existing.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

Overhead Utilities	
CATV	- 16 ft.
Secondary	- 22 ft.
Secondary	- 24 ft.
Secondary	- 34 ft.
High Voltage	- 52 ft.

# GEOMETRIC LEGEND

- EXISTING GEOMETRICS
- PROPOSED GEOMETRICS

# UTILITY LEGEND

- GAS MAIN
- WATER MAIN
- SEWER MAIN
- ELECTRIC CABLES
- STORM DRAIN
- AERIAL CABLES
- TELEPHONE CABLES



# REVISIONS


# APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION  
 ASSOCIATE CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION  
 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION  
 DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
 Office of Traffic & Safety  
 TRAFFIC ENGINEERING DESIGN DIVISION  
 (Traffic Signal Plan)  
 MD 924 (Emmorton Rd.) at Patterson Mill Rd/  
 Barrington Pl.

DRAWN BY: Frank Hoeckel	F.A.P. NO. N/A	TS NO. 4346	SHEET NO. 1 OF 2
CHECKED BY:	S.H.A. NO. BW996M82	T.I.M.S. NO. G-264	
SCALE: 1" = 20'	COUNTY: Hartford		
DATE: September 23, 2004	LOG MILE: 120924003.22		